What Is Claimed Is:

Sub B17

1. An inner rotor motor comprising:

a rotor having plural magnetic poles disposed in a circumferential shape; and

a stator including a stator core having plural magnetic pole teeth that are outside a circumference of the rotor and face the rotor, a coil being wound around each of the magnetic pole teeth,

wherein the magnetic pole teeth are set so that the value of at least one of angles each formed by extensions of adjacent magnetic pole teeth is smaller than an angle formed by lines each connecting a tip center of one of adjacent magnetic pole teeth and a rotation center of the rotor.

2. The inner rotor motor according to claim 1, wherein the magnetic pole teeth are provided so that at least one of points of intersection of extensions of lines each connecting a base center and a tip center of one of adjacent magnetic pole teeth is in a position opposite to the magnetic pole teeth with respect to the rotation center of the rotor.

3. The inner rotor motor according to claim 1, wherein the magnetic pole teeth are placed so that extensions of lines each connecting a base center and a tip center thereof intersect at an identical point.

4. The inner rotor motor according to claim 1,

wherein the magnetic pole teeth are provided so that intervals between the base centers of adjacent magnetic pole teeth are equal to each other.

Subb27 5. The inner rotor motor according to claim 1, wherein base centers of the magnetic pole teeth can be provided to be at an equal distance from a point opposite to the magnetic pole teeth with respect to the rotation center of the rotor.

6. The inner rotor motor according to claim 1, wherein the magnetic pole teeth are provided so that a value of at least one of angles each formed by extensions of adjacent magnetic pole teeth is 15 degrees or less.

7. The inner rotor motor according to claim 1, wherein the stator is provided so that a central angle of the rotor with respect to the stator is in a range within 180 degrees.

8. The inner rotor motor according to claim 1, wherein six of the magnetic pole teeth are provided.

9. A disk unit including the inner rotor motor of claim 1.